

Patent Claims

1. A housing (1), in particular housing (1) of a tachograph, in particular of a tachograph of a commercial vehicle, with a
5 battery holder (2) for fixing on the housing (1) by means of a battery receptacle (4) designed as part of a basic body (3), with at least one fastening means (5) for fastening the battery holder (2) on the housing (1), characterized in that, in the state of the battery holder (2) in which it is fitted with the
10 housing (1), the fastening means (5) is accessible exclusively from the interior of the housing.

2. The housing (1) as claimed in claim 1, characterized in that the housing (1) has a recess (7) into which the battery
15 holder (2) is at least partially inserted.

3. The housing (1) as claimed in at least one of the preceding claims, characterized in that the fastening means (5) is designed as a spring-mounted latching hook (8).
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4. The housing (1) as claimed in at least one of the preceding claims, characterized in that the fastening means (5) is of spring-mounted design and has at least one barb (9) which, in the fitted state of the battery holder (2), bears
25 against a mating edge (10).

5. The housing (1) as claimed in at least one of the preceding claims, characterized in that the basic body (3) has a bearing surface (11) which, in the fitted state, bears at
30 least partially against a wall (12) of the housing (1).

6. The housing (1) as claimed in claims 5 and 2 or claims 5 and 2 and at least one of the other preceding claims, characterized in that the fastening means (5) extends into the
35 interior of the housing as a latching hook (8) which starts

from the bearing surface (11) and is spring-mounted essentially parallel to the bearing surface, the arrangement of the fastening means (5) with respect to a further fastening means (5, 13) and/or a formation (15), which acts as counterbearing (14), on the bearing surface of the battery holder (2) has an excess length in relation to the recess (7) in the wall (12) of the housing (1), which excess length corresponds essentially to the spring deflection of the fastening means (5) or the sum of the spring deflections of the fastening means (5, 13).

7. The housing (1) as claimed in claims 5 and 2 or claims 5 and 2 and at least one of the other preceding claims, characterized in that the fastening means (5) is designed in the manner of a snap-in hook (17), the fastening means (5) extends into the interior of the housing as a snap-in hook (17) which starts from the bearing surface (11), is spring-mounted essentially parallel to the bearing surface and is in the form of a leaf spring (18) bent in a V-shaped manner, a first limb (19) being fastened at one end to the bearing surface (11), a second limb (20) which adjoins the other end of the first limb (19) bearing, at the end which lies opposite the end connected to the first limb (19) and points in the direction of the bearing surface (11) and is designed there in a spring-mounted manner essentially parallel to the bearing surface (11), in the fitted state in the interior of the housing (1), against a region, which is adjacent to the recess (7), of a wall of the housing (1) and in this manner securing the bearing surface (11) of the battery holder (2) on the housing (1).

8. The housing (1) as claimed in at least one of the preceding claims, characterized in that the basic body (3) is designed as a plastic injection-molded component.

9. The housing (1) as claimed in at least one of the preceding claims, characterized in that the housing (1) consists of metal.

5 10. The housing (1) as claimed in at least one of the preceding claims, characterized in that the battery receptacle (4) is designed as a battery housing (22) with an opening (23) through which a battery can be introduced into the battery housing (22).

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11. The housing (1) as claimed in claim 10 or claim 10 and at least one of the other preceding claims, characterized in that the opening (23) is closable by means of a closure (25).

15 12. The housing (1) as claimed in claim 10 or claim 10 and at least one of the other preceding claims, characterized in that the battery housing (22) has a cylindrical shape.

20 13. The housing (1) as claimed in claim 10 or claim 10 and at least one of the other preceding claims, characterized in that the opening (23) is situated on an end side of the battery housing (22).

25 14. The housing (1) as claimed in claim 10 or claim 10 and at least one of the other preceding claims, characterized in that, in the fitted state of the battery holder (2) on the housing (1), the opening (23) of the battery housing (22) points outward from the housing (1).

30 15. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that, in the fitted state of the battery holder (2) on the housing (1), the closure (25) of the opening (23) is accessible from the outside with respect to the housing (1) and can be opened
35 from the outside.

16. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that the closure (25) of the opening (23) can be fastened releasably in the closed position by means of a fastening (27).

17. The housing (1) as claimed in at least one of the preceding claims, characterized in that the battery holder (2) can be preassembled with a battery.

18. The housing (1) as claimed in claim 16 or claim 16 and at least one of the other preceding claims, characterized in that the fastening (27) is secured by means of a seal (28).

19. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that a formation (29) is fixed on the closure (25) and, in the closed position, is arranged in a recess (30) of the battery holder (2) and is secured in this position by means of a seal (28).

20. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that the basic body (3) of the battery holder (2) is provided with a bearing surface for bearing against the housing (1), on which bearing surface the fastening means (5) is arranged, and the battery receptacle (4) and the closure (25) are connected to the basic body (3).

21. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that the closure (25) is fastened by means of a film hinge (32).

22. The housing (1) as claimed in claim 11 or claim 11 and at least one of the other preceding claims, characterized in that

the closure (25) can be fastened in the closed position by means of at least one spring-mounted, second barb (33).

5 23. The housing (1) as claimed in at least one of the preceding claims, characterized in that the battery receptacle (4) has at least two contacts, a first contact and a second contact, and at least one contact is of spring-mounted design.

10 24. The housing (1) as claimed in at least one of the preceding claims, characterized in that a battery which has at least two lines to which the battery voltage is applied is arranged in the battery receptacle (4).